

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization  
International Bureau(43) International Publication Date  
31 July 2003 (31.07.2003)

PCT

(10) International Publication Number  
WO 03/062242 A1(51) International Patent Classification<sup>7</sup>: C07D 493/04,  
A61K 31/335, C12P 17/00

(21) International Application Number: PCT/GB03/00063

(22) International Filing Date: 10 January 2003 (10.01.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
0201160.9 18 January 2002 (18.01.2002) GB

(71) Applicants (for all designated States except US): SYNGENTA LIMITED [GB/GB]; European Regional Centre, Priestley Road, Surrey Research Park, Guildford, Surrey, Surrey GU2 7YH (GB). SYNGENTA CROP PROTECTION AG [CH/CH]; Schwarzwaldallee 215, CH-4058 Basel (CH).

(72) Inventors; and

(75) Inventors/Applicants (for US only): BENNER, Jill, Patricia [GB/GB]; Syngenta Limited, Jealott's Hill International Research Centre, Bracknell, Berkshire RG42 6EY (GB). BOEHLENDORF, Bettina, Gertrud, Henriette [DE/CH]; Syngenta Crop Protection AG, Schwarzwaldallee 215, CH-4058 Basel (CH). KIPPS, Martin, Richard [GB/GB]; Syngenta Limited, Jealott's Hill International Research Centre, Bracknell, Berkshire RG42 6EY (GB). LAMBERT, Nicolas, Eugene, Paul [FR/CH]; Syngenta Crop Protection AG, Schwarzwaldallee 215, CH-4058 Basel (CH). LUCK, Riet [CH/CH]; Syngenta Crop Protection AG, Schwarzwaldallee 215, CH-4058 Basel (CH). MOLLEYRES, Louis-Pierre [CH/CH]; Syngenta Crop Protection AG, Schwarzwaldallee 215,

CH-4058 Basel (CH). NEFF, Snežana [CH/CH]; Syngenta Crop Protection AG, Schwarzwaldallee 215, CH-4058 Basel (CH). SCHUEZ, Traugott, Christoph [DE/CH]; Syngenta Crop Protection AG, Schwarzwaldallee 215, CH-4058 Basel (CH). STANLEY, Paul, David [GB/GB]; Syngenta Limited, Jealott's Hill International Research Centre, Bracknell, Berkshire RG42 6EY (GB).

(74) Agents: HOUGHTON, Malcolm, John et al.; Intellectual Property Department, Syngenta Limited, Jealott's Hill Research Centre, P.O. Box 3538, Bracknell RG42 6YA (GB).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

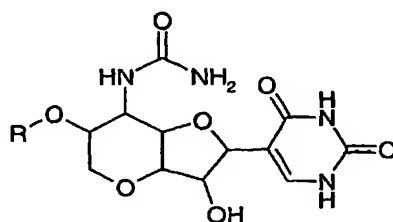
(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

## Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: BIOCIDAL COMPOUNDS AND THEIR PREPARATION



(I)

(57) Abstract: This invention concerns new biocidal compounds of formula (I) wherein R is H or CH<sub>3</sub>. Of particular interest are two isomers that are named malayamycin A and desmethylmalayamycin A. These isomers, which may be prepared by growing under controlled conditions a previously unknown strain of micro-organism from the species *Streptomyces malaysiensis*, are characterised by nmr and mass spectroscopic data. They have biocidal activity, including anti-fungal, anti-viral and anti-cancer activity, and are of special interest for use in agriculture, horticulture, animal and human health.